

GLYCOSYLATED HUMAN INTERFERON ALPHA ISOFORM

Eun Jung Lee et al.

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Fig. 1

1 TCCCCAAGCTT ATG GCC TTG ACC TTT GCT TTA CTG GTG GCC CTC CTG GTG CTC AGC TGC AAG TCA AGC TGC TCT GTG GGC TGT GAT CCTG CCTG
AGGGTTGAA TAC CGG AAC TGG AAA CGA ATT GAC CAC CGG GAG GAC CAC GAG TCG ACG TTC AGT TCG ACG AGA CAC CCG ACA CTA GAC GGA
M A L T F A L V A L S C K S C S V G C D L P

5 92 CAA ACC CAC AGC CTG GGT AGC AGG ACC TTG ATG CTC CTG GCA CAG ATG AGG CGC ATC TCT CTT TTC TCC TGC TTG AAG GAC AGA CAT
GTT TGG GTG TCG GAC CCA TCG TCC FCC TGG AAC TAC TAC GAG GAC CGT GTC TAC TCC GCG TAG AGA GAA AAG AGG ACG AAC TTC CTG TCT GTA
Q T H S L G S R R T L M L A Q N R R I S L F S C L K D R H

10 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850

1 TCCCCAAGCTT ATG GCC TTG ACC TTT GCT TTA CTG GTG GCC CTC CTG GTG CTC AGC TGC AAG TCA AGC TGC TCT GTG GGC TGT GAT CCTG CCTG
CTG AAA CCT AAA CGG GTC CTC CTC AAA CGG TTG GTC AAG GTT TTC CGA CTT TGG TAG GGA CAG GTA CTC TAC TAG GTC GTC TAG AAG
D F G P Q E F R Q N Q F V A E T I P V L H E M I Q Q I F

2 272 ATG CTC TTC AGC ACA AAG GAC TCA TCT GCT GCT TGG GAT GAG ACC CTC CTA GAC AAA TTC ACT GAA CTC TAC CAG CAG CTG RAT GAC
TTA GAG AAG TCG TGT TTC CTG AGT AGA CGA ACC CTA CTC TGG GAG GAT CTG TTT AAG ATG TGA CTT GAG ATG GTC GTC GAC TTA CTG
N L F S T K D S S A A W D E T L L D K F Y T E L Y Q Q L N D

3 362 CTG GAA GCC TGT GTG ATA CAG GGG GTG ACA GAG ACT CCC CTG ATG AAG GAG GAC TCC ATG GGT AGG AAA TAC TTC CAA
GAC CTT CGG ACA CAC CAC TAT GTC CCC CAC TGT CTC TGA GGG GAC TAC TTC CTC CTG AGG TAA GAC CGA CAC TCC TTT ATG AAG GTT
L E A C V I Q G V T E T P L M K E D S I L A V R K Y F Q

4 452 AGA ATC ACT CTC TAT CTG AAA GAG AAA TAC AGC CCT TGT GCC TGG GAG GTT GTC AGA GCA GAA ATC ATG AGA TCT TTT TGT TTG TCA
TCT TAG TGA GAG ATA GAC TTT CTC TCA ATT TCT CGT CTC CAA CAG TCT TAC TCT AGA AAA AGA AAC AGT
R I T L Y L K E K Y S P C A W V R A E I M R S F S L S

5 542 ACA AAC TTG CAA GAA AGT TTA AGA AGT AAG GAA TGA GGATCCCA
TGT TTG AAG GTC CTT TCA ATT TCT TCA TTC CTT ACT CCTAGGGT
T N L Q E S L R S K E

Fig. 2

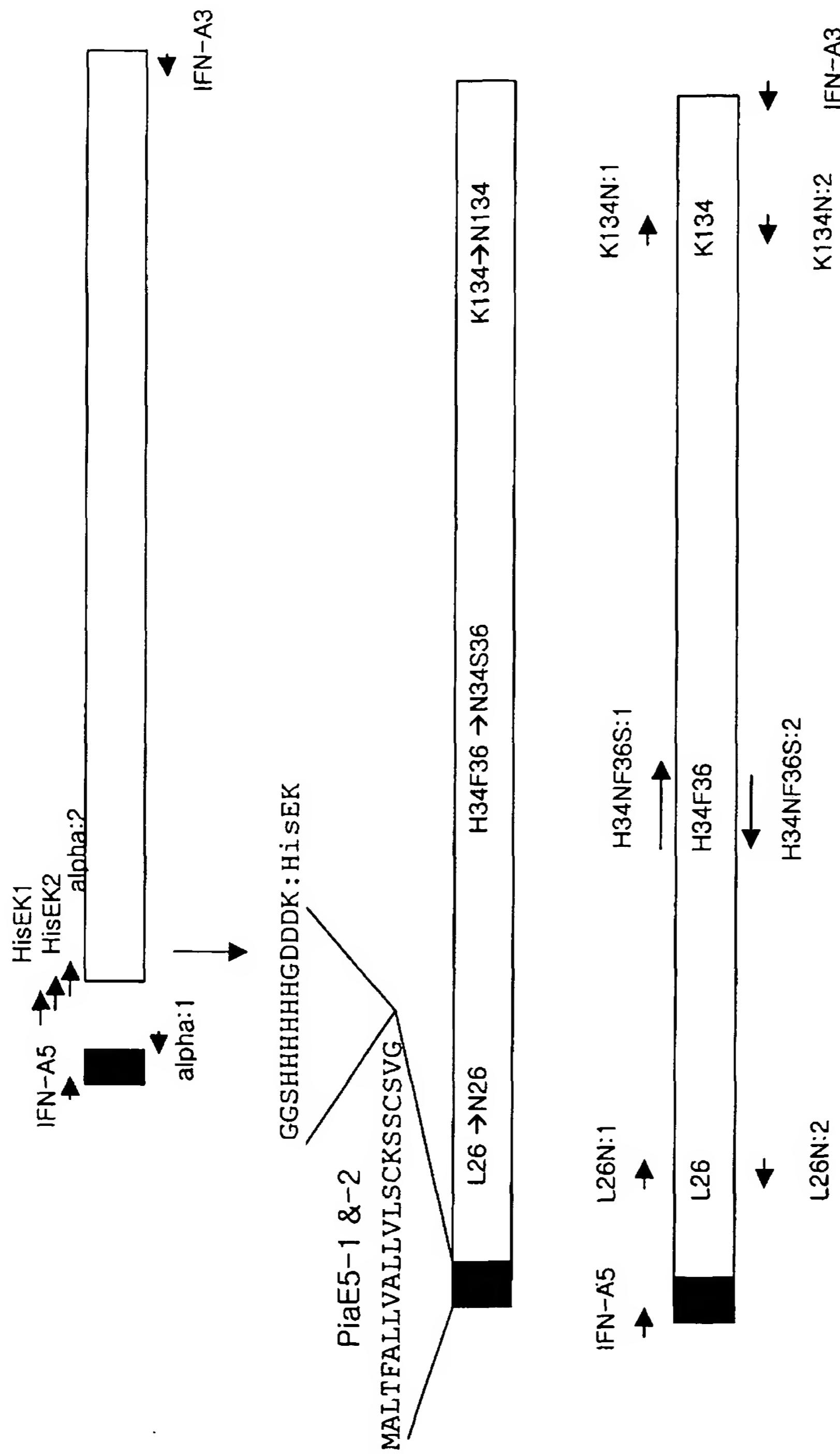


Fig. 3

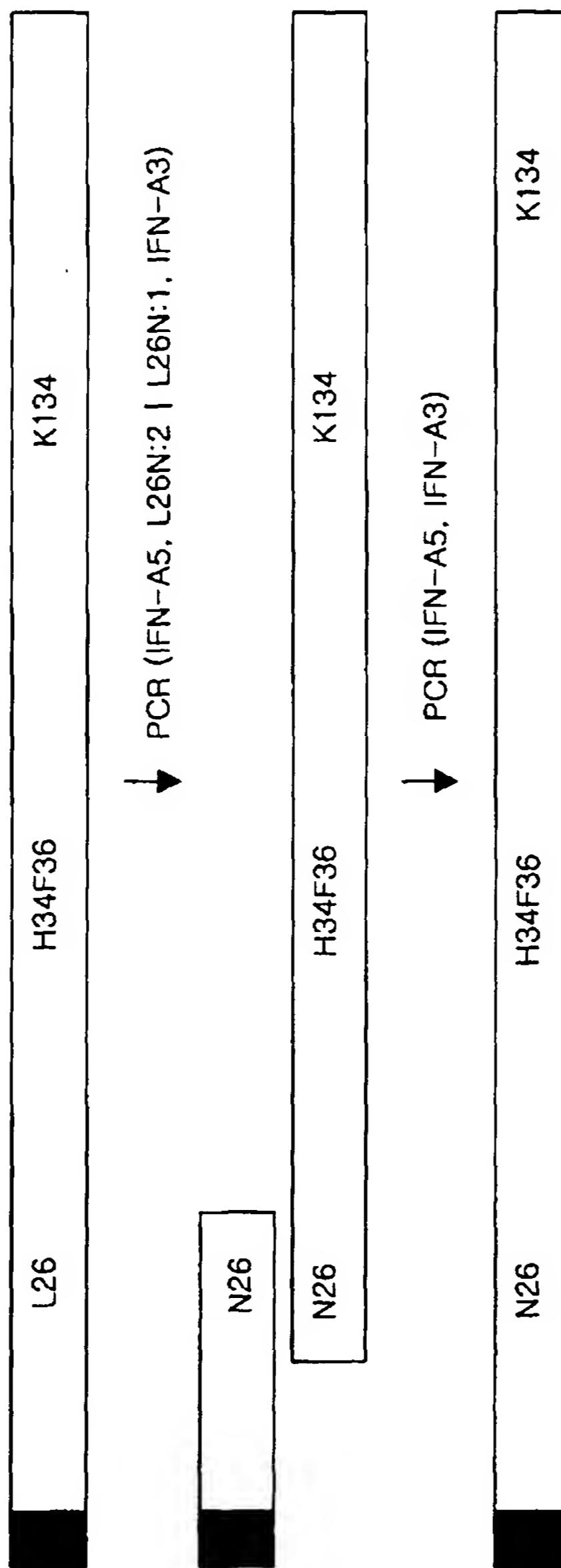


Fig. 4

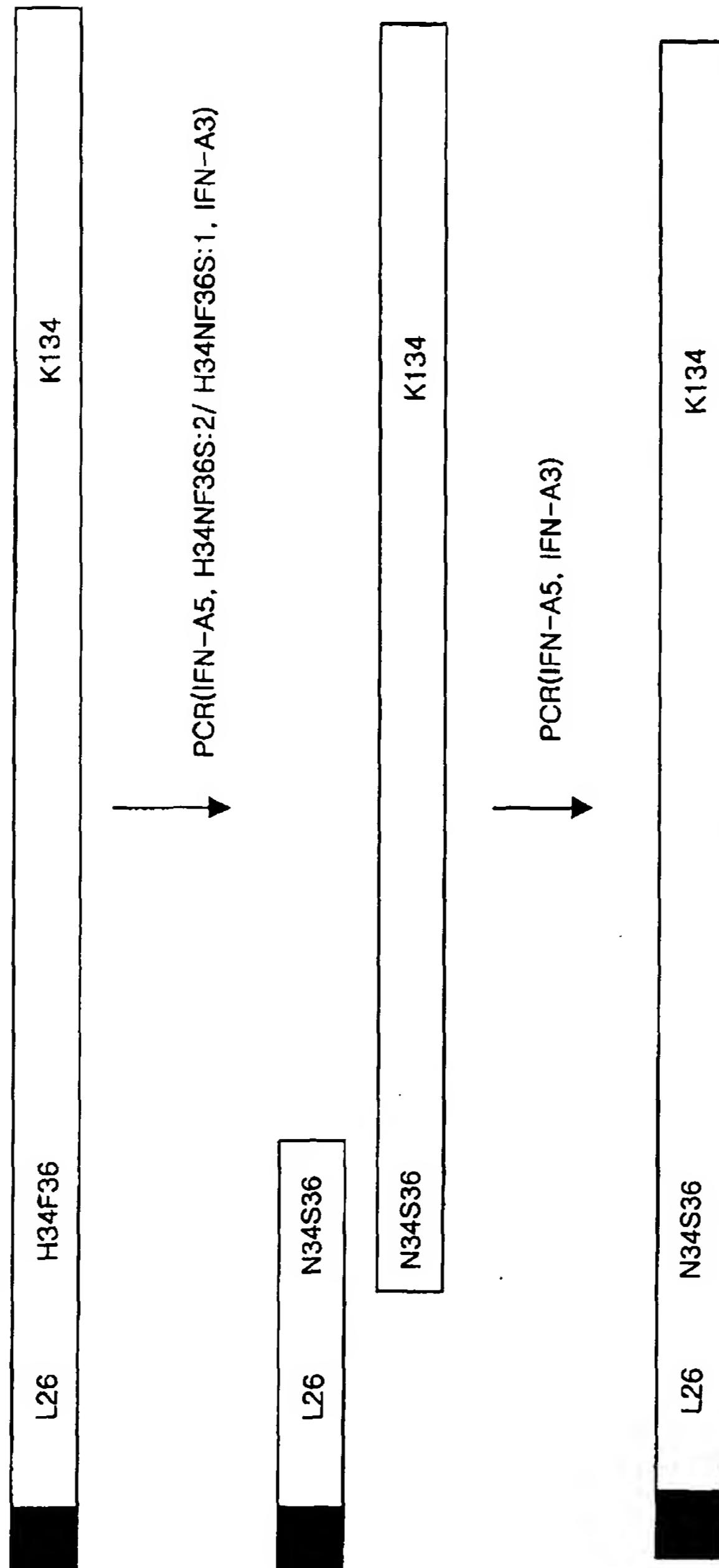


Fig. 5

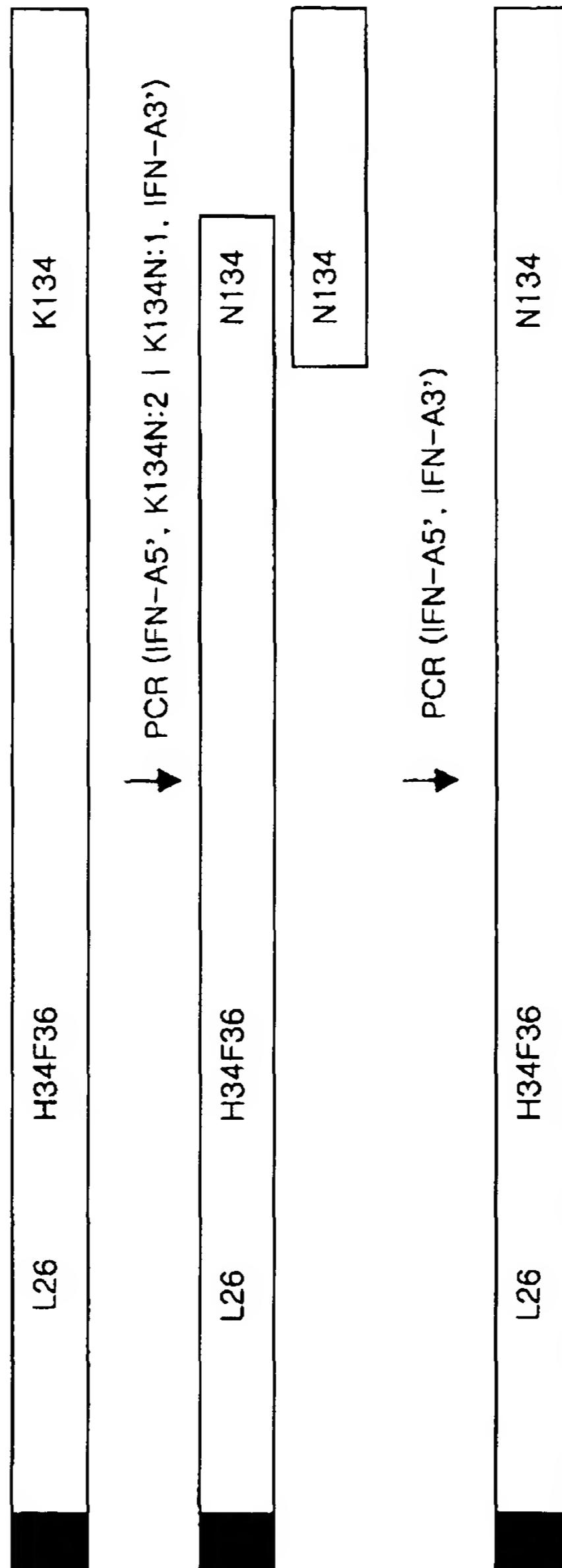
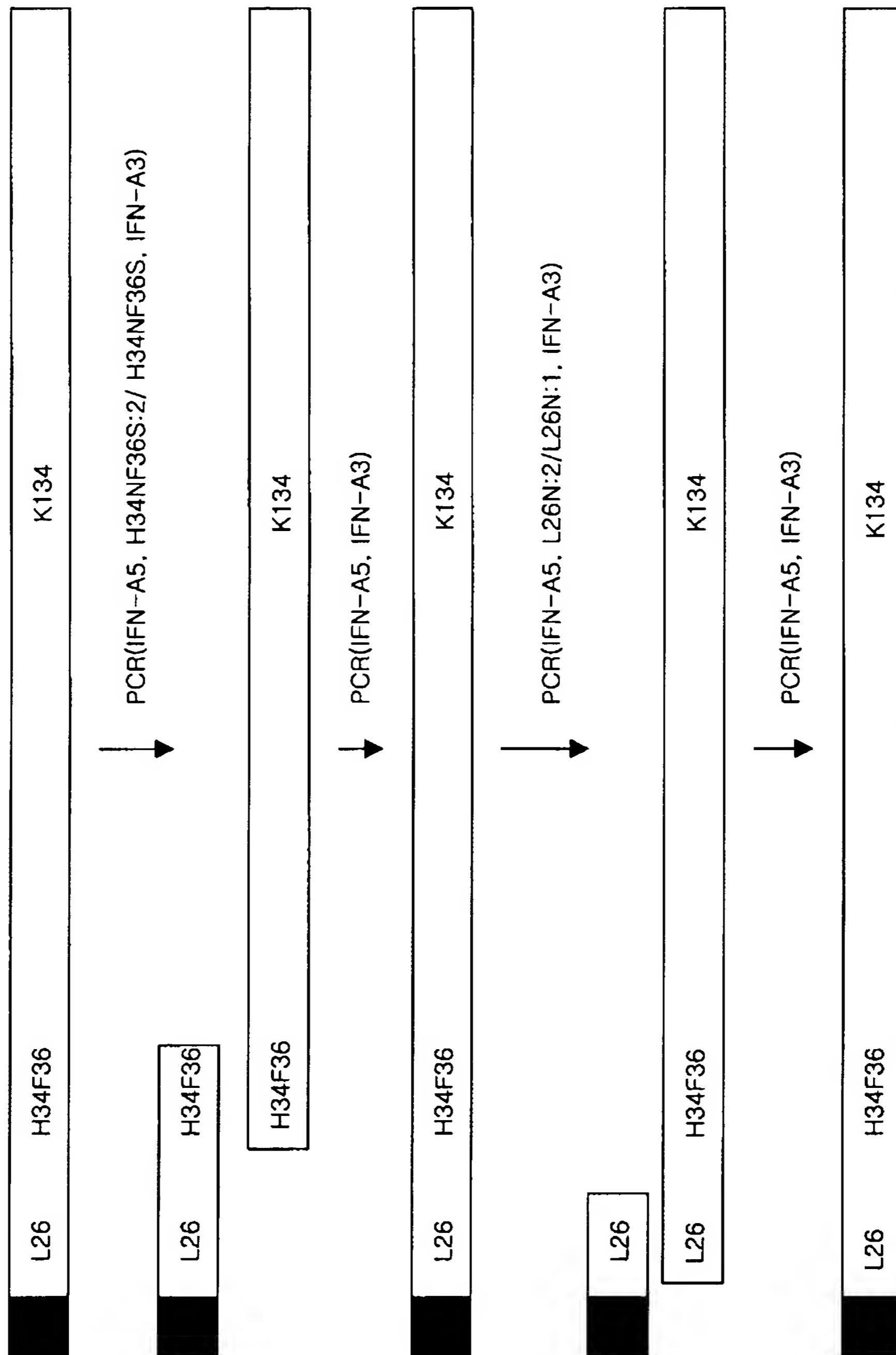


Fig. 6



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Fig. 7

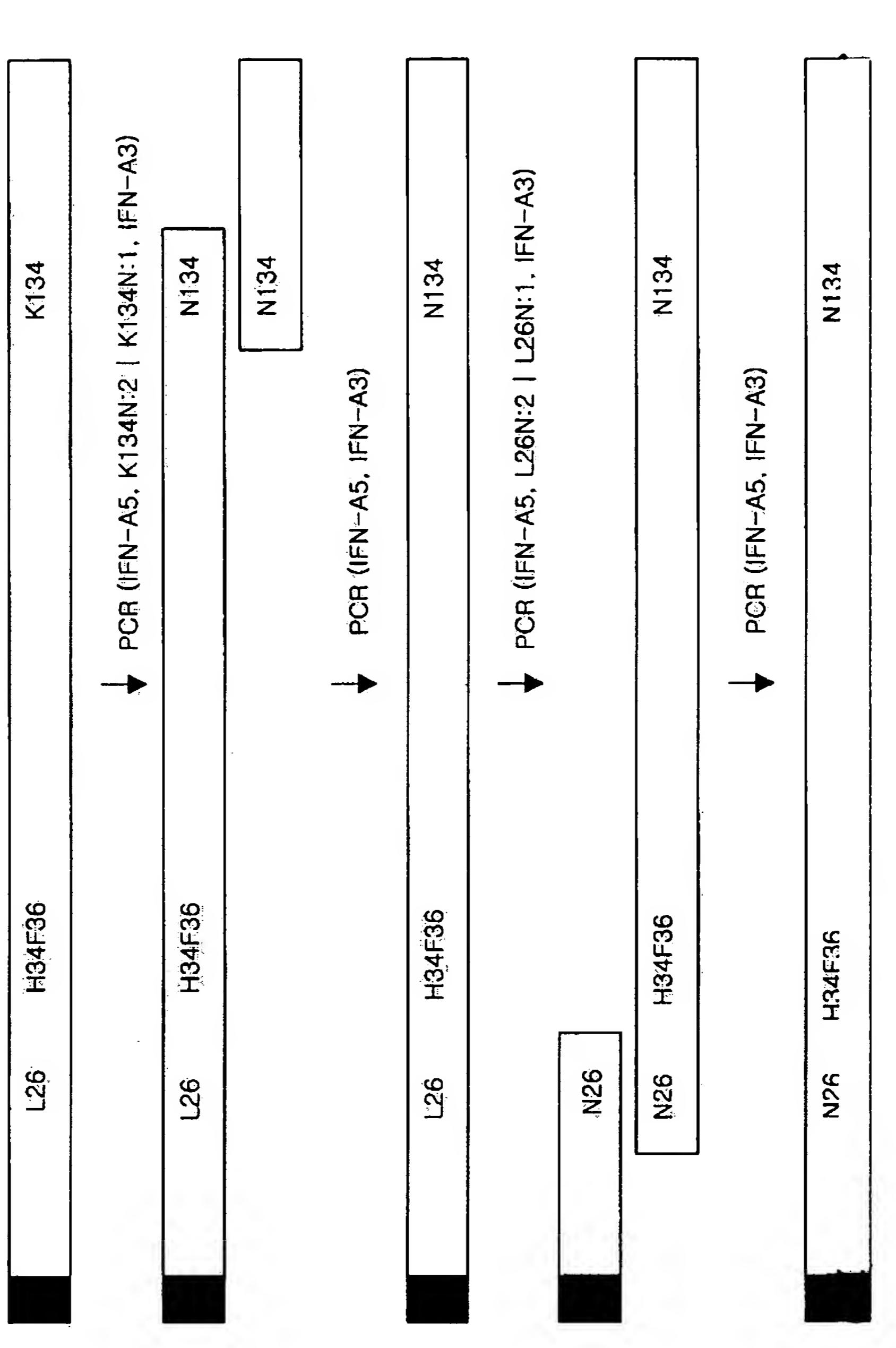
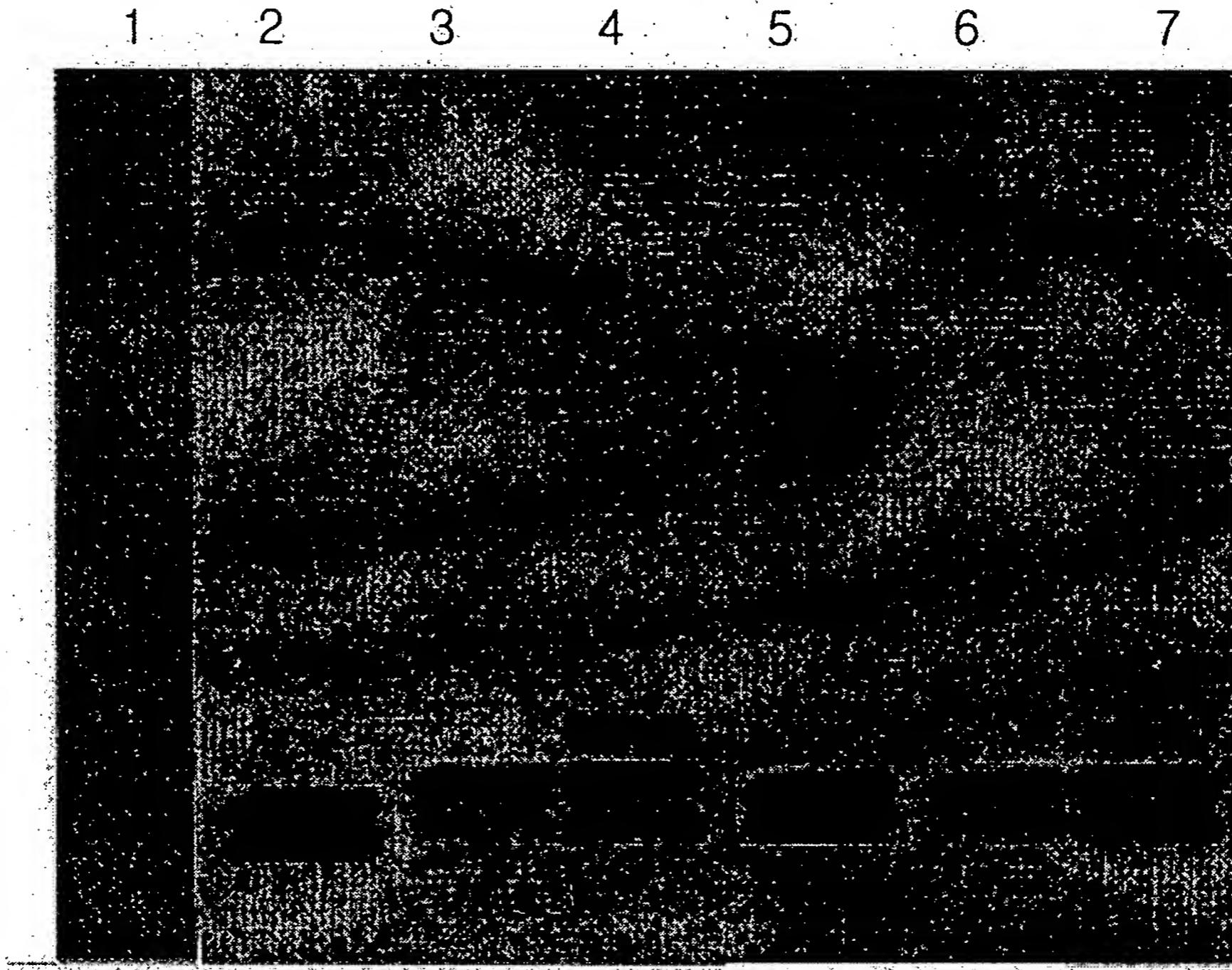


Fig. 8



1. Marker
2. O-Glycosylated IFN-alpha
3. L26N
4. L26N/H34NF36S
5. H34NF36S
6. K134N
7. L26N/K134N

Fig. 9

